



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

TEL: 886-3-4690038 FAX: 886-3-4697532

E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Product Specifications Approval Sheet

Product Description: SAW Filter 781 MHz SMD 3.8X3.8 mm (BW=24MHz)

TST Part No.: TA1298A

Customer Part No.: _____

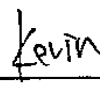
Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Kevin 

Approved by: _____ Francis Chen 

Date: _____ 2/24/2011

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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SAW Filter 781 MHz

MODEL NO.: TA1298A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -30°C to 60°C
4. Storage Temperature: -30°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

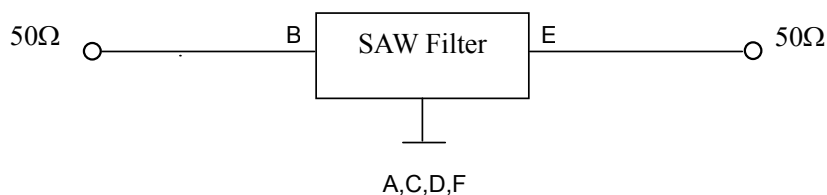
B. CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc MHz		-	781	-
3dB Bandwidth MHz	dB	24	33	-
Amplitude ripple 769 ~ 793 MHz	dB	-	1.4	1.7
Insertion loss 769 ~ 793 MHz	dB	-	2.4	3.0
Group Delay variation within 769 ~ 793 MHz	ns	-	25	200
Attenuation (reference from 0dB)				
0.3 ~ 706 MHz	dB	40	52	-
706 ~ 755 MHz	dB	10	22	-
807 ~ 871 MHz	dB	10	20	-
871 ~ 900 MHz	dB	40	53	-
900 ~ 1205 MHz	dB	45	52	-
Source impedance Z _S	Ω	-	50	-
Load impedance Z _L	Ω	-	50	-

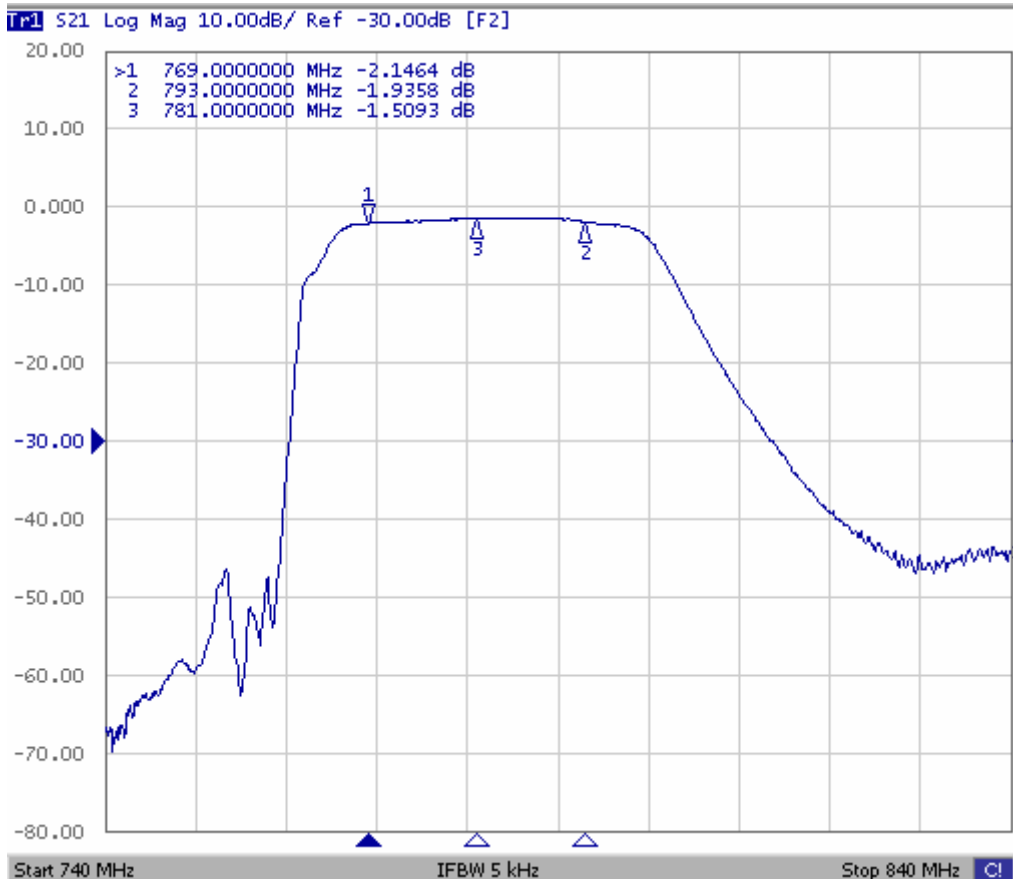
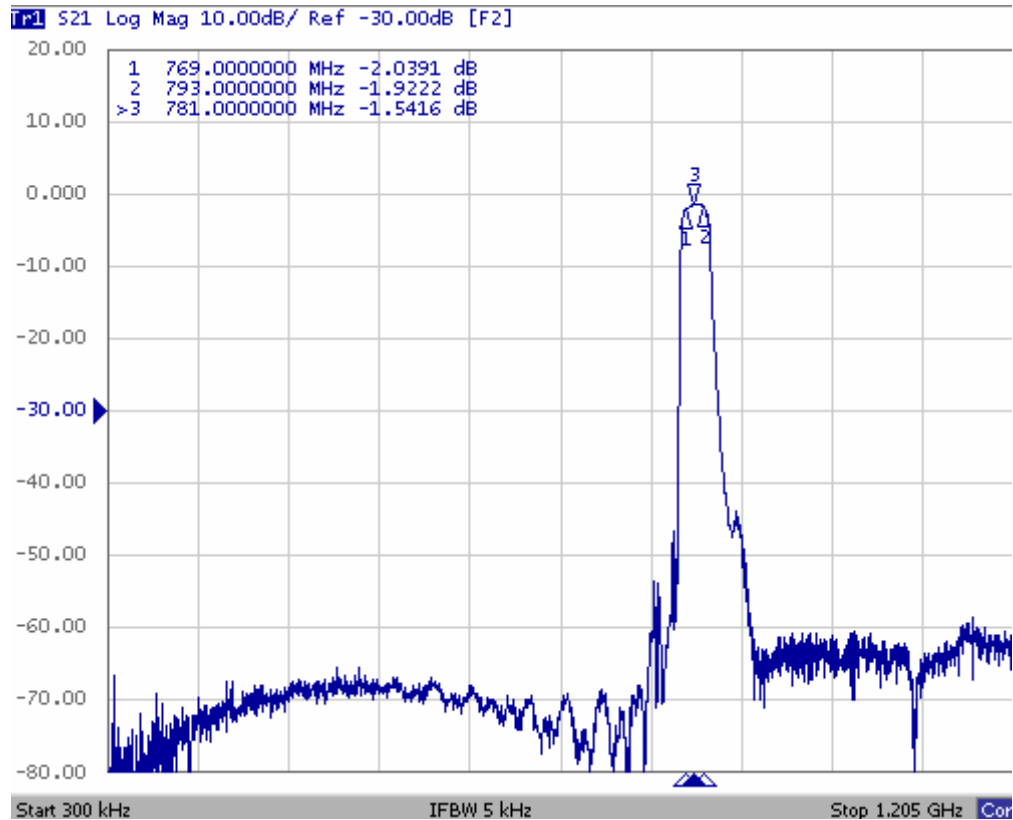
Note1. No matching network required for operation at 50Ω

C. MEASUREMENT CIRCUIT:

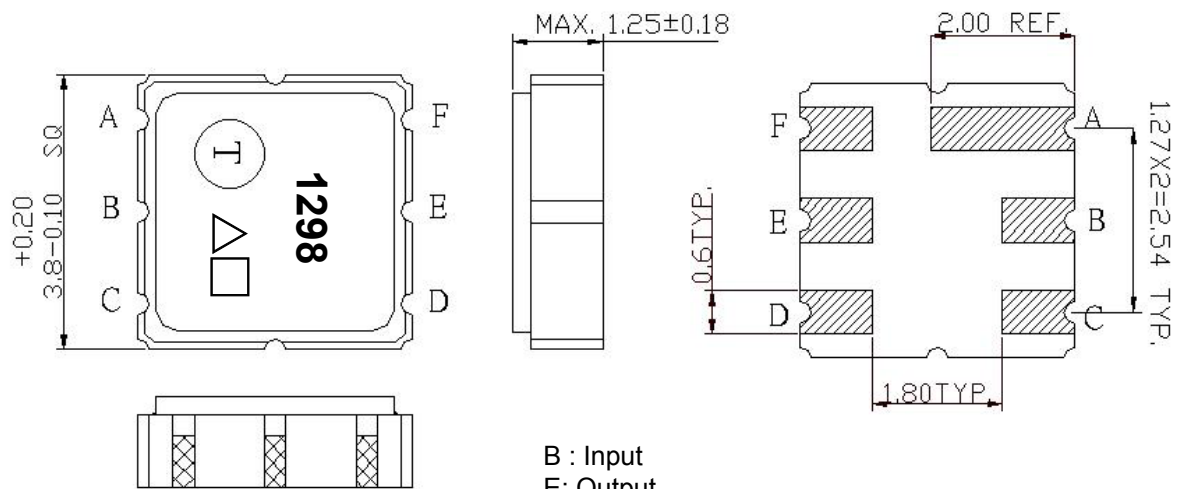
HP Network analyzer



D. TRANSFER FUNCTION :



E.OUTLINE DRAWING:

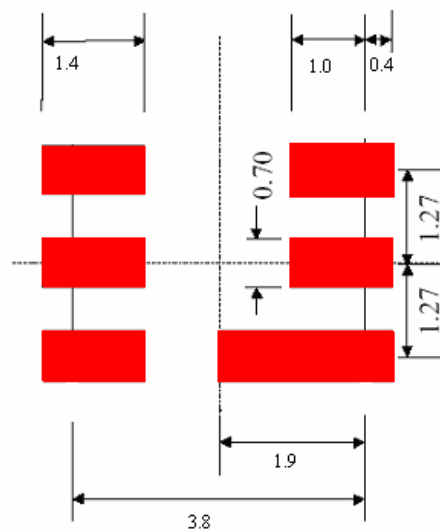


B : Input
 E: Output
 A,C,D,F Ground
 △:Year Code
 □: Date Code(Follow the table provided by planner each year.)
 Unit: mm

△ Product Year Code

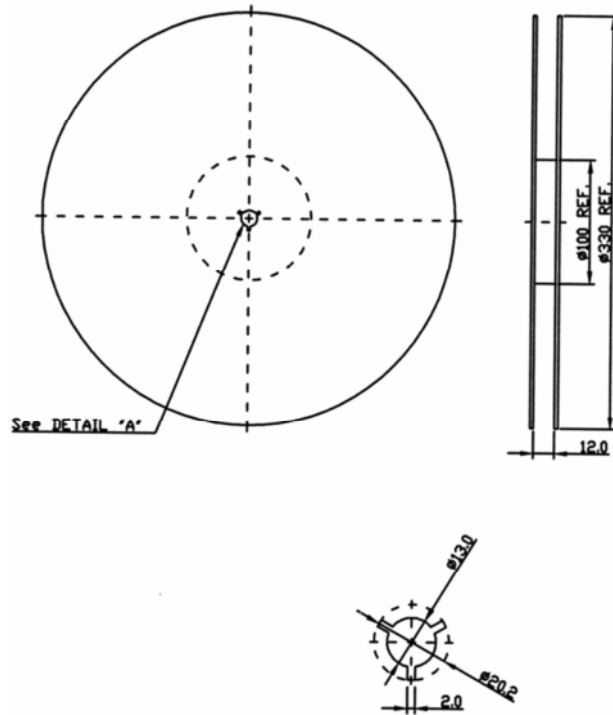
Year	2007	2008
	2009	2010
	2011	2012
	.	.
Product Code	A	a

F.PCB FOOTPRINT:

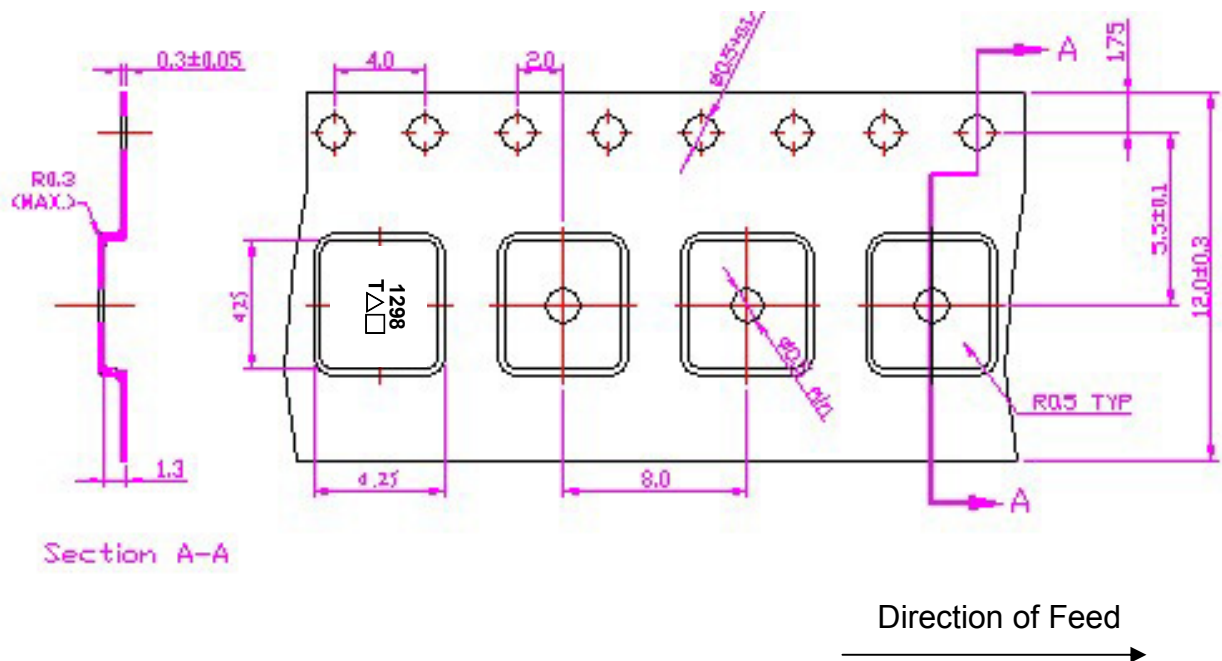


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. REFLOW PROFILE

